

# USCMS Engineer Status Report for November 2003

Natalia Ratnikova

December 15, 2003

## 1 Work Performed This Month

\*\*\* DPE release management.

We had two DPE releases in November, both aimed to prepare testbed environment for OSCAR-based production. In addition to usual coordinating/integrating updates to existing components, some time was spent for discussion packaging solutions for new components(BOSS, DAR, SRBetc) and corresponding tests. Some improvements in the DPE documentation support (see reference url below).

\*\*\* RefDB2DAR interface.

Extended interface to allow specific requests for multiple geometry files, multiple geometry versions, and executables to be included with the applications.

Executables are now added selectively according to the list specified in the request file. This saves lots of space, and request now may include executables from the system area (e.g. memcode). New features were quickly implemented and went almost immediately into production, followed by some further improvements and code polishing.

Some time was spent on analyzing some problems we encountered, and looking for possible solutions. In most cases problems were originated in production tools or application software, and were fixed accordingly. However in refdbdar interface we still miss the feedback from DAR to refDB, distribution metadata are not saved anywhere. Simultaneously I started working on new OO concept in DAR, that would allow that would considerably improve the tool efficiency.

Details of latest DAR and RefDBDAR developments were presented on the Production meeting Nov, 20th (see url below).

Group of D0 colleagues started working on runtime environment based distribution on their GRID environment. We had a couple of discussions, they were interested in DAR implementation details. I was interested in their use-cases and constraints.

Preparing presentation on DAR for ACAT03.

## **2 Status of Deliverables**

DPE releases available, documentation up-to-date.

DAR and RefDBdar interface new features implemented and used in production.

## **3 Plans For Next Month**

Continue DAR and RefDB2DAR development.

## **4 Longer Term Plans**

Prepare DAR OO prototype. Manage DPE releases as needed. Discuss longer-term plans for UAF users support with Michael Ernst.

## **5 Links To Supporting Documentation**

- <http://agenda.cern.ch/fullAgenda.php?ida=a036328>
- 
- <http://www.uscms.org/scpages/subsystems/gridinfo.html>